



Docket No. 62171-00048USPT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Robert H. Dueck et al. )  
Serial No.: 09/724,770 ) Examiner: C. Kao  
Confirmation No. 7641 )  
Filed: November 28, 2000 ) Group Art Unit: 2882

For: ATHERMALIZATION AND PRESSURE DESENSITIZATION OF DIFFRACTION  
GRATING BASED WDM DEVICES

BOX FEE AMENDMENT  
Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited postage paid with the United States Postal Service as first class mail in an envelope addressed to: BOX FEE AMENDMENT, Commissioner for Patents, Washington, D.C. 20231	
on: April 21, 2003	
Signature	<i>Carol Mitchell</i>
	Carol Mitchell

Dear Sir:

AMENDMENT

Responsive to the Office Action mailed December 19, 2002, please amend the above-identified application for patent as follows:

**IN THE SPECIFICATION**

Please delete the paragraph beginning on page 25, line 5 and insert the following paragraph therefor.

The thermal effects on grating substrate 11(a) also increase losses by causing substantially monochromatic beams 24 to shift from their intended positions on fiber ends 12. Referring to FIG. 6, in practice, beams 24 are not truly monochromatic, but rather a tight range of wavelengths 30 about a center frequency. Each beam 24 has

a central wavelength 32 which is the representative wavelength to which an optical signal is associated. Each central wavelength 32 is generally predefined, and may correspond with an industry standard, such as the standards set by the International Telecommunication Union. As temperature changes the dispersion of grating assembly 11, beam 24 is no longer diffracted at the nominal angle (per equation 6B), and the central wavelength of beams 24 deviates from fiber 12 ends.

**IN THE ABSTRACT**

Please delete the Abstract and insert the following Abstract therefor.